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Identifying nude pictures

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Abstract:

This paper demonstrates an automatic system for telling whether there are na present in an image. The approach combines color and texture properties to o mask for skin regions, which is shown to be effective for a wide range of shad colors of skin. These skin regions are then fed to a specialized grouper, which to group a human figure using geometric constraints on human structure. This introduces a new view of object recognition, where an object model is an orga collection of grouping hints obtained from a combination of constraints on colo texture and constraints on geometric properties such as the structure of indiv and the relationships between parts. The system demonstrates excellent perfo a test set of 565 uncontrolled images of naked people, mostly obtained from t and 4289 assorted control images, drawn from a wide collection of sources

Index Terms:

image colour analysis image recognition object recognition automatic system color constraints human structure naked people nude pictures identification object model recognition texture

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